

ABSTRACT OF THE DISCLOSURE

The inventive graphic element for protecting banknotes, securities and documents includes printed encoded image 6 and corresponding key, which are two-dimensional matrices of cells of an ordered aperiodic structure. These images form visible image of graphic element 7 when they are superimposed. A method of manufacturing of said element consists in forming of encoded image and its key on the basis of original image. Encoding is performed by special software, which converts original image into multilevel image, whose each level is globally replaced with a matrix of cells of ordered aperiodic structure. The key is printed inversely on the other side of the protected object precisely matched with the encoded image. Encoded image and its key, which may have different dimensions, are printed in color inks under certain angular orientation.